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PROCEEDINGS.

The ninth annual meeting of the Kansas Academy of Science convened at Topeka on the 14th of November, 1876, and closed its session at 10 p. m. on the 15th. Previous to the more public exercises of the Academy, held in the Senate chamber of the capitol, a meeting assembled at the office of Dr. Thompson for the transaction of business. On recommendation of the committee on nominations, the officers of the past year were reelected, viz.:

President—F. H. Snow.

Vice Presidents—B. F. Mudge and J. H. Carruth.

Treasurer—R. J. Brown.

Secretary—J. Savage.

Several changes were made in the commissions of the Academy, among which are the following: E. A. Popenoe was appointed to that of Botany, Prof. Dunbar to that of Philology, Dr. Thompson to that of Meteorology, and C. K. Jones to that of Geology. A new commission was added to the former list—that of Ethnology—and J. D. Parker and B. F. Mudge were appointed to it. A new interest has attached itself to this latter branch of study, by the discovery of a large number of mounds on the bluffs opposite Kansas City, Mo.

The following articles were added to the constitution of the Academy:

ART. VI. There shall be a meeting held during the summer months for the purpose of hearing scientific lectures of a popular character.

ART. VII. These meetings shall be known as the "popular meetings" of the Kansas Academy of Science, and shall be held in such places as may be selected at the annual meeting.

ART. VIII. Every member is expected to present some fact for the benefit of science, to be kept as a record, and to appear in the regular proceedings.

Resolved, That Leavenworth be selected as the place for the first popular meeting, to be held in June, 1877, and that H. M. Aller, W. S. Burke and James Wilson be appointed as committee on local arrangements.

Resolved, That Professors Mudge, Kedzie and Snow be appointed lecturers for that meeting.

It was further

Resolved, That a committee of three be appointed to take into consideration the need of additional room for the accommodation of the cabinet of the Society, with power to confer with the Kansas Historical Society, Topeka, and the State Board of Agriculture.

B. F. Mudge, Dr. Thompson and E. A. Popenoe were chosen upon this committee.

A resolution recommending a geological survey of the State was presented, and carried with much favor by the Academy. The products of our coal mines have already taken a position in the material prosperity of our State almost beyond computation: a careful survey of these formations would tend to fix more definitely the boundary line between our fertile coal measures and those that are barren.

Prof. C. V. Riley, of St. Louis, gave the opening lecture of the session, upon "The Locust Problem."

Prof. F. W. Bardwell, of the State University, gave the lecture of the second evening, upon "Our Neighbor the Moon."

The following papers were read before the Academy, and, as far as space will allow, are given entire:

1. On the Occurrence of the Mastodon in the Pliocene of Kansas: B. F. Mudge, Manhattan.
2. Climate vs. Brains: Prof. M. V. B. Knox, Baker University.
3. On the Recent Additions to the Flora of Kansas: Prof. J. H. Caruth, Lawrence.
4. On the Coleoptera of Kansas: Edwin A. Popenoe, Topeka.
5. On Colorado Coleoptera: Prof. F. H. Snow, State University.
6. On the Mineral Water at Iola, Kansas: Prof. Geo. E. Patrick, State University.
7. On the Habits of *Amblychila cylindriciformis*: H. A. Brous, Manhattan.
8. On Additions to the Catalogue of Kansas Mammals: Prof. M. V. B. Knox.
9. On a Meteorite found in Mitchell County, Kansas: Prof. Geo. E. Patrick.
10. On Arithmetical Methods: Prof. F. W. Bardwell, State University.
11. On the Prairie Dog in Kansas: H. A. Brous.
12. On the Appearance of an Egg-Parasite of the Rocky Mountain Locust: Prof. F. H. Snow.
13. On the Influence of Food-Selection upon the Evolution of Animal Life: A. H. Thompson, M. D., Topeka.

JOSEPH SAVAGE,
Secretary Kansas Academy of Science.

ANNUAL REPORT OF THE COMMITTEE ON GEOLOGY, FOR THE YEAR ENDING NOVEMBER 1, 1876.

By Prof. B. F. Mudge.

During the past year many important additions have been made to the cabinet of this department. Our cases were already filled at the beginning of the year; consequently, the new collections could not be classified and arranged as they otherwise would have been.

Many persons not members of the Academy have made donations to the cabinet, to whom the thanks of this Society are due. In some instances the names of the donors are unknown. It is desirable that the contributor's name should accompany the specimens when sent.

Your chairman has added a full suite of minerals from the lead and zinc workings in the southeastern portion of this State, and four large boxes from the cretaceous of western Kansas. These are yet unopened, for want of room on our shelves. He has the past year, as previously, been engaged the greater part of the time, with four scientific assistants, in exploring the Niobrara group of the cretaceous of Kansas, beyond the settlements, and collecting the fossil vertebrates of those deposits. This party being in the pay and interest of Yale College, all the most valuable specimens were sent to that institution. But while Yale added to its museum, we at the same time added to our knowledge of geology much that is important and valuable to us as a State. Information has thus been acquired during the past three years which will enable us to map correctly the outlines of the Cretaceous and Tertiary formations, and to substantiate scientific facts peculiar to the fossils of these ages.